

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2005/001250

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 B32B 27/02**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

B29B, B29C, B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS in KIPO

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 3205115 A2 (MITSUI TOATSU CHEM INC) 6 SEP 1991 See the whole document	1, 11
A	JP 1228141 A (TORAY INDUSTRY INC) 5 SEP 2000 See the whole document	1, 11
A	WO 00/48830 A1 (TORAY INDUSTRY INC) 24 AUG 2000 See the whole document	1, 11
A	WO 00/58083 A1 (CYTEC TECHNOLOGY CORP) 5 OCT 2000 See figure 1, 2 and page 15	1
A	US 527989 A (MITSUBISHI RAYON CO. LTD) 18 JAN 1994 See the whole document	1



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

26 JULY 2005 (26.07.2005)

Date of mailing of the international search report

**27 JULY 2005 (27.07.2005)**

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

LEE, JONG KOOG

Telephone No. 82-42-481-8154



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2005/001250

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP3205115A	06.09.1991	AT131772E	15.01.1996
		CA2025834AA	04.04.1991
		CA2025834C	30.03.1999
		DE69024307T2	29.08.1996
		EP00421767A2	10.04.1991
		EP421767A3	08.01.1992
		US05294394	15.03.1994
JP12238140A	05.09.2000	CA2363382AA	24.08.2000
		CN1124929C	22.10.2003
		CN1341051A	20.03.2002
		EP1170117A1	09.01.2002
		EP1170117A4	07.08.2002
		W0200048823A1	24.08.2000
W00048830A1	24.08.2000	CA2362871AA	24.08.2000
		EP1162058A1	12.12.2001
		JP12233464	29.08.2000
		JP2000233464A2	29.08.2000
		JP2000263668A2	26.09.2000
W00058083A1	05.10.2000	AT294703E	15.05.2005
		AU200035676A1	16.10.2000
		AU769069B2	15.01.2004
		BR200009364A	08.01.2002
		CA2366584AA	05.10.2000
		CA2366584A1	05.10.2000
		CN1106931C	30.04.2003
		CN1344205A	10.04.2002
		DE60019915C0	09.06.2005
		DK1171288T3	30.05.2005
		EP1171288A1	16.01.2002
		EP1171288B1	04.05.2005
		JP2002539992T2	26.11.2002
US527989A	18.01.1994	CA2056034AA	30.05.1992
		CA2056034C	17.04.2001
		CA2056034C	30.05.1992
		DE69122720C0	21.11.1996
		DE69122720T2	20.03.1997
		EP00488389A2	03.06.1992
		EP488389A2	03.06.1992
		EP488389B1	16.10.1996
		EP488389A3	09.12.1992
		ES2093062T3	16.12.1996
		JP4292912A2	16.10.1992
		JP4292913A2	16.10.1992
		JP5017603A2	26.01.1993